

# INNOVATE-IT



**Innovate-IT** is an extracurricular program for high school students to get excited about information technology. Through hands-on, inquiry-based learning, students can explore robotics, game design, and cyber defense.



**DESIGN. BUILD. INNOVATE.**

## ROBOTICS

Students will build robots while learning the mechanics and programming of the Hummingbird Bit Robotics Kit.

## GAME DESIGN

Engaged by creative thinking, students make immersive, imaginative experiences for game players.

## CYBER DEFENSE

This is a space for students interested in cybersecurity. They will learn how to defend networks through detection, mitigation, and preventative aspects of security.

It's easy for students to get started with Innovate-IT.

Groups will:

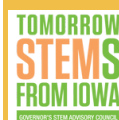
1. **Form a club** - with an advisor - within their school or organization.
2. **Sign up** on the Innovate-IT website.
3. **Access tools** for guiding students' learning.

The only cost to participate in the program is to purchase robotics materials and transport students from the culminating event at the end of the school year, called **IT-Showcase**. If your school would like to apply for funding, please submit an application through the Iowa STEM Scale-Up program.

**CENTER FOR CYBERSECURITY  
INNOVATION & OUTREACH**

[WWW.CYIO.IASTATE.EDU](http://WWW.CYIO.IASTATE.EDU)

**Ready to sign up?** ←



Visit [iowastem.org](http://iowastem.org) to apply or  
[www.innovate-it.cyio.iastate.edu](http://www.innovate-it.cyio.iastate.edu)  
for more info.